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AVATION

JULY 17, 1922

Issued Weekly

PRICE 10 CENTS



VOLUME XIII

SPECIAL FEATURES

CHICAGO PLANS BIG AVIATION MEET AUGUST 4. 13
PRESIDENT HARDING COMMERDS AFRO C. OF C.
THE HANDASYDE COMMERCIAL MONOPEANE
NEW LIST OF LANDING FIELDS.

JUN 2 J 1922

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THE GARDNER, MOFFAT CO., INC.
HIGHLAND, N. Y.

225 FOURTH AVENUE, NEW YORK

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AVIATION VOL VIII NO 3

AVIATION

CONTENTS New Junkers Manaplane Processi Con of an Arr Yacht , ... Trade Notes

THE GARDNER, MOFFAT COMPANY, Inc., Publishers HIGHLAND, N. Y.

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AVIATION

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The electron of the wears to the ground suder their liable In the connection it is to be sated that while Professor authorized in Gerrings-cruz though within busile federe

an interesting indication of the results acknowed in their inhoratories during the presed of fapred marketly. The Challenge to the World DEAR Admiral Busiley Poles has challenged the world to a contest in the buckbag of a large commercial seawhere. Associated with him are now whose masses carry would it to a ratiofactory conclusion, it is worth; enterprise.

It is to be hoped that the featuring of this auditaous proby foreign groups will sed place American artistion in a folse light. Issuing challenges of this hand to the world places in Militable division or and an antique from all those sales. The construction work involved considerable selected from all those sales. So many introceing preliminary plans of authitors reco-

of financial backing, that a certain healtancy is but natural close), thus apparently jouss the ranks of those who see the when a new venture of this seet is appointed

Chicago Plans Big Aviation Meet Aug. 4-13 Twenty Events with Prizes Totalline \$22,475 Announced by Aeronautical Bureau of Chicago

The Assessatival Survey, Ltd., State 1279-1172, Congress. Montrell, Highlall, Hatchine & Ca.; July W. O'Lerry Vo. and 13, next, a combound aviation most, agreeaft exhibition.

Evers, U. S. Sary; twogs in Fount, Aust in van rem. Commenwealth Edison Cu., John M. Gloup, Sorly Elegisis Maxafactores Aust., E. E. Gers, Pres. Chenge, Association of Commerce, Charles M. Hoves, Pres. Charges, Motor Clab.

Pres. Ciccago Title & Trust Co., Col. William Nelson Poless. Pres. Private Mile Co., Julio T. Porte, Carran. Pres.

W Fresh McClere, Derector of Publicity, Asser Bond & is the Councilies reserves the right to suspect all plants. No occurs will be considered unless such in writing

thin or tity officials at point of departure. Book file as

Intraces For \$15-00-Freight Curreing Rifferency Connect. a the count must arrive by \$100 m on. Sandey, Aug. 1

Print First 60% 06: Second 6275-90 Third 6050-08 To here charge of the fying during the meet, and whose decreases. It lie fives of a cap will be awarded to the wanter of the Estrono For \$15.00-Passenser Miles Flows by Haden Lie.

becoming exercise planes. Contestants in this exert must First, 8300-80; Second, \$200-80; Track, \$150:00 Total. Stonger In safetyon to the cash wares a valuable terraity or

Entrance For \$10.06.-Penerger Currying Race from Charage. Please will leave the field at Cheese from to the enthermed believes root early one or near personners. Press Yest. EVENT NUMBER O

Entrance For \$15-90 - Control for Passenery Plane or Hoden. such prior a whatte treply in the form of a cap will be preved after turbing regard on banker and impact of

> Estrance For \$15.06-Acrial Photo Puntase Page the Chicago Accountted Bucers. Princ. First, \$1500.00; Second. \$500.00; Tiped. \$500.00. Picart. \$220.00; Picart. \$500.00. Total, \$2500.00. In addition to the sask prizes a

womer of this event. These mees to be held over a period of two days. Opmature. Heces to be flown over a measured course of annexes tentants will be assigned a date they will dy, according to day there will be those point neurobel as frigure. First, sillors: Second, 500000, Thyp., 510000, Tent., 950000, one for come money as follows: Prince Press, 5500 00, Second \$690.00, Think, \$200.00 Total, \$1200.00 Total for colon

Entraner For ELLOS... Class "B" Earns Oran to all whose with a rated arend of 100 mm.b. or law 100 miles or some per hous, such place will be dispunited from receiving prior money Priors First, \$550 00, Second, \$600 00, Trizel, \$500 00 Total, \$1500 00 En address to the

Pyran will be awarded please realing largest unixed fight after original takend? No allowance made for forced EVENT NUMBER 12

puted from actual time reads by plants a naming persons creats. Prime: Prime, mole 00; Scored, 5400 00; Tarel, 8200.

Prince Part, \$6600; Second, \$60000; Three, \$30000; Finath, \$20000, Pigh, \$30075. Toni, \$150000 in add-

Open to plane; with a rated speed of 125 m p is or less

made. Planes to be from its over by bean file owner, as

July 17, 190

Standard Atmosphere

altitudes up to 20,000 m. (60,000 ft). These value, all fastery A further community with values of density \$ -- 25 -- 0000s, as which I is the temperature in deg. C. and President Harding Commends Aero C. of C. Chief Executive Predicts Amazing Development of Aerial Transport - Sera Need of Public Interest and Surport

in adding a word exponential of all in royal. The manufung deviatement with team y near favore in the until tention of the air a or transport and commentaries. As a green you also be to be provided that day with manufung also be provided that day with manufactures and also be provided that and a second annible through the surrogagement the Imperiant place It to destroy to recogn man Handlen termentant Charles of Compress of Secretor, Sen.,

Harley Prophering for the year fature as manning

believed that the prompt the year will be along 50 order. There has been clocke increase on terminal facilities to just

The Handasyde H2 Commercial Monoplane Airplane Built for Australian Airways Follows Original Ideas in Construction

In the Prob. 6, 1922, wear of Awarence bend mention was. the first two of the color fractors. They are let gets the season passengers and an additional load of main, making a batal communical heal of 1200-1200 fb. The ten used to

The Handsoyde St2 monoplane is to a very large extent o

This fundage is look in two parts, the forward one on

The hoops which are in affect the freelage strate in this



Fig. 7 shows the super-courses note which is establed to the main body. The new connects of two ask members of member to the apper cross member of the buildhead as free of the pilot. This nose does not form a detechable crossproriably simplifies packing up the machine for transport-

this marking. The marking in of the caeffavor mossiplate type, with the ware colorely above the fuestion. The while In the rabin length these stringers are equinases recept for

unter between the usings and the body, the two halves of the (Figs. 3-2). There are two of these attragers between each



ng edge (Fig. 6.) The nertice therefore is knowner. The felow. The Secure are alread and acrewed to the voke span, as shown in Fig. 3. Over the unfrapers is applied a set of our linear spring lefts, which force the nh fanges proper, These are accused to each year and streams. The construe The prince are hear to two methods which said on the sente exceed some page with to obtain a sleeple force of touch. For side of the block on the spars. Therefore when each sat or

three blocks in properly regraped, the wang is assumedly The life lead from the oper is taken to the male fundame reserved of the nature of the optimizer wire strainer, which the rise are the spars. They are stiffened with appear complicated metal fittings allows the marking to be built by wag surfaces, but everyderably mode those surfaces. The

New List of Landing Fields Issued by Hydrographic Office, U. S. Navy

Orleads-Orleado Ametica Field; Lokapel, excitabl by born been received from the office of the Chief of Air Server, one-fourth main figh, many, never maddy. Hanner for two Is be used as engroup station and for National Guard and Start-Carell Field, speeded by 20th Division, Tank

New London-Shinnercourts Golf Greatelet splended field, Stinsted or shore of Long Island Sound, and 11/2 miles. Loke'te Catalo ramos, open pratrio, 2,000 ft. square, arms control and well drawed, located 1%; unless north of town

America-Irrogular full near Savagnah Rives - Sate of Okl and park accounted field, guilf seams 200 yd. moch. (b) Managend field 2,500 by 500 ft., one of the best fields in the commerce and volum department will offer every assistance

framed; see-quarter side from town on paved rood; 50 miles

Canry-Open field an antickets of town, 60 seres on paved of Suches, Andre Pold, encounter coders, course; posfrom all larges of salesans Forcest Park-Forty nems, somethir and by Air Made, Monacath-Commercial, specified by the Curios Iswa.

Westmann-Spiled Fall, 1229 ft space; day rel-

Lemmers-Halley Field, 500 by 1200 ft., as old Frank-Old Depland-Boach avoishly for landing 2 by before and

College Park. Air Mail Field, 1200 by 1,200 ft. Hangara

Promondom-State Marter Field, 2,000 by 3,000 ft.; bevel, Grane-Field 500 by L200 ft., borders Boston & Messe

by \$60 ft., 14 mass cust of Ann Harbor on cessed highway. de. Ht. Cicares-Selfraige Field, on maciero states en cisargo

make negacio, well draumed, sodded, white board frace around Culprann-Field of 100 acres, pasters, I mile from tools, Existen-Flat mady learn, 600 by 500 ft.; see-hald mile Post Standa-Van Saide near bean weedable at all times

Overante-Field 35 acres, level sodded meadow, husba-

Concerd. State Come Ground, available at all torse come Nancyco-Corrier Estate: 3.100 he 600 (t. bord nex and

Parento-People, Pinns Fold, 2,500 by 600 ft., and pike and national

Manusconfront-Field 1 sofs from town, west of Life Kroky, 1.550 to 150 ft . Set and smooth, horses, smale-Schrussted a. Municipal 1,600 by 1,360 fts, 1 wife west at

Butterion-Two consequency listin on edge of town. The Morsh Carolina landing for congluence in Bull May, I make from town. No

Control or Good Sets, 650 ft source, excellent drainger Toleris-Menacipal, (dis-dramed) Bay View Park, N.E. olg.

tude, no heach, little enversit

Meaconinic-Manageri, used so fair grounds, alongs Teneton King Flying Fared, 2,000 by 2,500 ft.; 4 males Penlips...Pete Fuel; 900 by 200 ft, good condition, smil-

Politoroge-Race track, L600 by 1,500 ft;; good condition,

Columbia - Europe Field, manifold, L500 ft, sonary, well . Topicardis-Field 1,97 by 2,172 St. I mile scathead of book, see half sub-from East Foot Lake; specified field, see

reserved to Field: scenerical, 600 by 400 ft.; or Williamstore-Monicipal, operated by the Custon School

Normal Norm-Numerical, operated by Atlantic Coast. Improvements on their construction, has taken assention to

Jely 17, 1922 July 17, 1800

> Malesco-Weber Field, managed by arranges for each argat to scept at an analysis of the property of the strain and the strain of the strain solded, good drymage cont. prog and depresent. \$1845 by 452 ft.; solded, good Secure Overs Municipal, used for public pack and face

> The Story of an Unairworthy Airplane Cont. C. V. Subrebacker, Edde Stinues, pilot, Street Capt. E. Y. Sinkerbacker, Edda Minaca, pilot, Street Easterpai, viziter, and Threshee Lavington, methagan, left Marciel Fridt, Garden Orty, L. L. N. Y. on June 7, in a JUS-manaching required from the Au Mail Service. They in-

> dented converge a three months population-evening loss in plant on industrial servey and membership to makin Captain The acrial transies started out over the transcentinestal usi Cheege to Ottaha. They experienced neach mechanical Seall the machine was weeched when it was taking off at Dunks, on June 16, bound for Dovver, Cole. Coptain

in connectors with this trip and the mendents which are polymery emperior of the JL4 all-metal monophone pre-

Thorar Major Schweder's out to Detroit, the machine proved nature accidents occurring derived Cautain Bickenbacker's two four Detroit to Occabe any completed to red-

"There is not a pleas in the Cutted Spins fried to make unit a jung long. The plane we were flying was the nearest

continent and book," seal Mr Larsen. "We made the cry-suity, A yelot, a merhandesse, and I flow from Grania in Philadelphin tro years ago without stopping, between day-looks and dark. We carried much hammer also. The U.S.



He, busself, travelled from New York to the Asota Circle

"Most of my dying has been dens to planes of sheday type. as that what Shekesharker attrapped to use," said Me And satradorses there into the country. Personalts, I think

Underwriters' Registers Underweters' Laboratories notify under June 13, 1946,

Backgrarion of John C. Metarc's Cortificate No. 1619 in bereks supposeded pending impury of revocutances in confparameters were kilded, and pilot suffered some injuries.

Notice of green of complete desirection on creek of Canadian John M. Larnen, who preperted us this research a large terban concurrent becken having radionally and recistys the mark N.ABCJ Creak covered at Ashbura Field

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A Challenge to the World

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July 12, 180

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> In your some of May 20 Perdoner Warner describe a manipul for any given set of combiners. Professor Warner

A. J. Styres Parents Ophic & Parents, Lai, Looker

Non of Army Phone as Door Field--Civilian avention was mouth street a his board to Florida, "Jengies" with OXS restors being sold at Dorr Field for \$400. These planes have here is recover for some time but are in most condition, and

ARMY AND NAVY AIR NEWS Army Orders-Fred Laren, Woodell H. Strockler, Post Public.

Air Service

the Assert Assertantellian Fall, 1922-23, agreed to by both my Art remove sed Aventon Phy. This new is apportuned as follows: Art Service, creation and operation, \$12,790,000 (\$3,500,000 for larenthus als The Assig air appropriation of the new fixed year provides

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Grove Field-Loret. Robert E. Sciff and Wm. C. Goldehanned, A.S., have completed they never decreased inke phofeld at Nurthern California and Nevada. They haded at

Le. Cal Seth W. Cook, A.S., relieved from date an student assigned to Kelly Field for daily.

Mai, Laurand H. Dressan, A.E., sekroed from daily on studiest at the select of the Line, Ft. Leaveworth, Kon., has been answed in the Office of the C.A.E. for data. from Manny Passale and First Lant Walter E. Backards. First Land Fred Austre, A.S., berong been found by on

Appear referring board metaparotated for active service on Cost Good E Torone, A.S., referred from further date at the Facil Officers' School, in nestpared to McCick Pickl Case. Pracer Hale. A.S., prileved from date at the Field Mai. Wiftigs A. Boberton, A.S. bering here found in Yout Load Elege J. Reeling, relieved from duty at Langley Field, as necessarily to Swott Pield for Care.

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From Lone Bernard J Tucker, relieved from duty at Carl Cook. Hawthouse C. Gray, mlayed from duty at Ross Field, Margons Officers Visit Kelly Field-General Coverration, of the Military College of Sen Joristo, Manner, 1922 his wieff. named decreasing the party of the field and much represent with the providence of humbardwest and sticch sincest is to the party below for left the field. Four formations of

Joy Riding in Spokane

of the introduce day, warrent the thereing to weather conditions from some soil midnight

A Chinese sevenily west up as a passenger as a Forter Rossell phase at Stochaste, Wash. The third incored to stoubly

of fravening reference.
"Walls Walls?" You want go Walls Walls?" sained Claud. Owen, the pilot whose Improvide accomplishment has a reached unferon English. "Fifty dollars up to Walls Walls

" No Walts Walts! No \$50. Wast's malls an oof All

High Personne Jump at Kully Field-Master Sergonal Chan-

\$16,000,500 for Nevel Artstone-The Naval Appropriates \$4. As the bill finally peaced it correct \$5,527,000 for you am.

The organization of a land place apadems at Personals has here become, the mundres will be known as VI. The extraction

entruction on Naval Acustus Charries, Advanced Madfell has Hospico Roads Navel Air Sorose-Applica CT made com-

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the leader in a 1984 regreshed that he was about to land and cut by reguse. From a height of about 500 ft the phreflow from Hampton Roads to Pennsenia, burning the station, on June 22 the region start up with a roar, has fewed for the agent of

accuracy days for Ordenson, Navy Dead, Washington, D. C. Va. to duty Air Sods. Att. Phil Lane William D. Tremme, del. Air Sods, Adl Physics dots Ess. Welling B. Hallingsworth, det U.S.S. Municipals Eve Edwar W. Sheppard, det. USS, Wright, to Issue, ges. John D. Wood (D.C.), Ort. Deppty Corps School of gestivation, New Dept.; to duty Nov. Alexand. Parture. Last Arthur C Miles (C.C.), det, Novport News Ston. but flow and Divolack Co., Newsort News, Yor to have done Loui Prizon II Mai, det Nov Asreech Pactory, Phila. Phila: to date the Agreements EU's in Long Semploys Grains...The safe serious of sures.

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Marine Aviation Capacir, Hamilton Kelled ... Capt. George W. Hamilton, Married cont able from over the Getty-bury Battle Field, on Jean

Indy.

American Ministeres trade, if required, to be hold about Aug 13, at Mitchel Field, L. F.

Aug. 6-00 - Souring and Gibbing Communicate Chemistry Ann. 934 - Souring and Gibling Competition, Garateld. Suprember Grend Price of Stelly, (Interactional dis-Sept. 22 - Compa Renei Bautech de la Maurche. (die

FOREEZY Anciest - Coupe Income Schneider, (Scapling speed - Trephenen Treate: (Innerestant Section Ann. 1 - Corden Stream Sallery Proc. Grame.

Aug. 445 - Aristina Mari, Arreste Eshibition and Oct. 7 - Sterrog Annual Water Dorley, Darrus, (Car-Oct. 15-14 - Decreix Acres! Decrey, Decreit, (Pediane

Coming Aeronautical Events

He was bosser graduate of the Marine Corpo Officers School

After serving in Washington at Marian Headquarters and in Hair and Sente Domingo, for several mendia, Captain Hamilton recepted in July 1009. He received the Aviation

Manager of Freez Aug. 7 to 16, having become a temporary Major on July 1. Peres Supe. 10 to 16 he was in the St.

He was accompted to Captain in 1817, served in the Vendon

- communicated in 1926 through the World War and not the
- FIRE Marsace of which cents he commanded the 48th con-

- Capture Hamilton, who became a Major to the World Was.

Foreign News hely-On Hav 31 a petition for bankruptey was present by the condition of the S.A.L.A.M. Lot, to the County Court Miles Its general mesager, Could Mapelle, is shread

The cost of supposition attacks will be retarristed to a Following the report made by the "Board of Adminis"

A new assumment periodical has appeared in Miles under reddenies the proportical weekly necessary

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